

Title (en)

HIGH DENSITY SHIELDED ELECTRICAL CABLE AND OTHER SHIELDED CABLES, SYSTEMS, AND METHODS

Title (de)

HOCHDICHTES ABGESCHIRMTE ELEKTROKABEL UND ANDERE ABGESCHIRMTE KABEL, SYSTEME UND VERFAHREN

Title (fr)

CABLE ELECTRIQUE BLINDE A HAUTE DENSITE ET AUTRES CABLES BLINDES, SYSTEMES ET PROCEDES

Publication

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Application

EP 15197183 A 20101216

Priority

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Abstract (en)

A shielded electrical ribbon cable (1602) includes conductor sets (1604a, 1604b, 1604c) each including one or more insulated conductors (1606), and a first and second shielding film (1608) on opposite sides of the cable. In transverse cross section, cover portions of the shielding films substantially surround each conductor set, and pinched portions of the films form pinched portions of the cable on each side of each conductor set. Dense packing is achieved while maintaining high frequency electrical isolation between conductor sets. When the cable is laid flat, a center-to-center spacing of the pair of insulated conductors (1606) for the first conductor set (1604a) is \bar{A} 1 and a center-to-center spacing of the first and second conductor sets (1604a, 1604b) is \bar{L} , and wherein \bar{L}/\bar{A} 1 is in a range from 2.5 to 3.

IPC 8 full level

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CPC (source: EP US)

H01B 7/0807 (2013.01 - US); **H01B 7/0823** (2013.01 - US); **H01B 7/0838** (2013.01 - EP US); **H01B 7/0861** (2013.01 - EP US); **H01B 11/002** (2013.01 - US); **H01B 11/005** (2013.01 - US); **H01B 11/1066** (2013.01 - US); **H01B 11/1091** (2013.01 - US); **H01B 11/1891** (2013.01 - US); **H01B 11/1895** (2013.01 - US); **H01B 11/203** (2013.01 - EP US); **H01B 13/14** (2013.01 - US)

Citation (search report)

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